

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100920\
 Data File : VU040598.D
 Acq On : 09 Oct 2020 20:44
 Operator : SY/MD
 Sample : L4349-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE3

Quant Time: Oct 10 04:24:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100820WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 10 04:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	129964	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	131547	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	58486	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	50715	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.92	69	40234	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.58	63	73829	3.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.20%
20) 2-Butanone-d5	4.65	46	191558	55.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.18%
24) Chloroform-d	5.08	84	95416	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.72	65	58776	5.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.20%
32) Benzene-d6	5.74	84	178936	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.70	67	60986	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.60%
41) Toluene-d8	7.91	98	145920	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.80%
43) trans-1,3-Dichloropropene-	8.19	79	24779	4.97	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.40%
46) 2-Hexanone-d5	8.64	63	137968	53.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	53297	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	59899	5.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.40%

Target Compounds

					Ovalue
3) Chloromethane	1.53	50	11306	1.027	ug/L 93
8) Chloroethane	1.95	64	400	0.054	ug/L # 41
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	632	0.058	ug/L # 20
12) 1,1-Dichloroethene	2.58	96	718	0.077	ug/L # 1
13) Acetone	2.66	43	13469	5.042	ug/L 87
14) Carbon disulfide	2.80	76	1264	0.049	ug/L # 86
21) 2-Butanone	4.74	43	4580	1.100	ug/L 92
25) Chloroform	5.11	83	1650	0.081	ug/L 88
27) 1,2-Dichloroethane	5.74	62	1159	0.080	ug/L # 77
33) Benzene	5.80	78	2482	0.059	ug/L 100
35) Methylcyclohexane	6.70	83	14403	0.927	ug/L # 14
37) 1,2-Dichloropropane	6.70	63	7123	0.605	ug/L # 87
39) cis-1,3-Dichloropropene	7.57	75	1686	0.105	ug/L # 48
42) Toluene	7.98	91	27604	0.641	ug/L 97
44) trans-1,3-Dichloropropene	8.18	75	1192	0.080	ug/L 85
47) Tetrachloroethene	8.56	164	12557	1.607	ug/L 94
48) 2-Hexanone	8.69	43	4937	0.706	ug/L # 82

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QLast Update : Sat Oct 10 04:13:39 2020
Response via : Initial Calibration

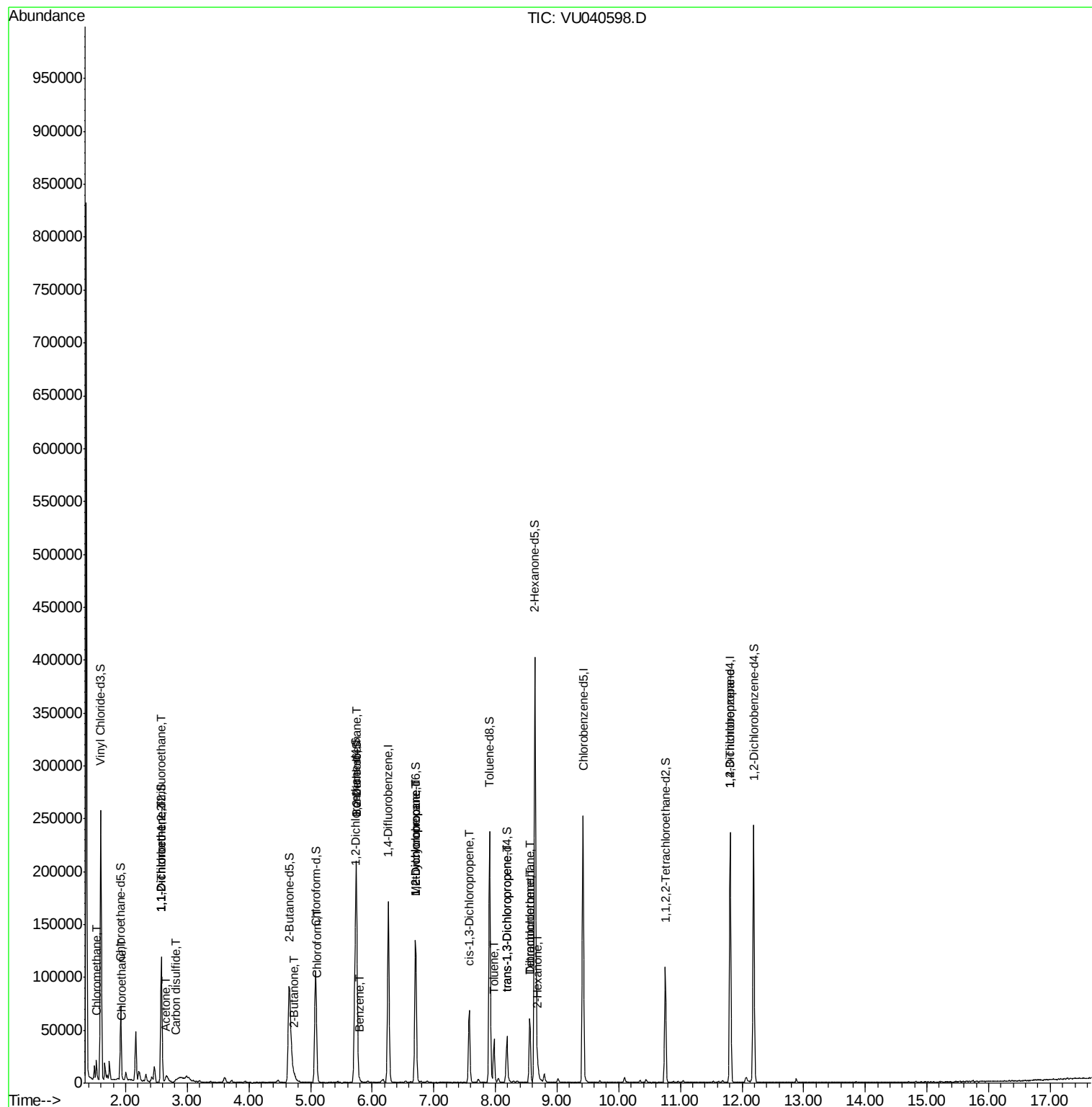
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.56	129	12634	1.245	ug/L #	9
59) 1,2,3-Trichloropropane	11.81	75	7760	0.897	ug/L #	85

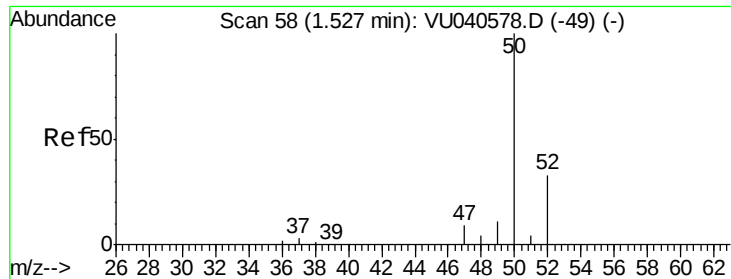
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.027 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

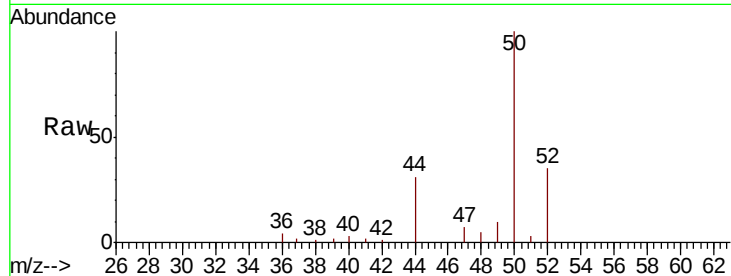
BFSE3

Tot Ion: 50 Resp: 11306

Ion Ratio Lower Upper

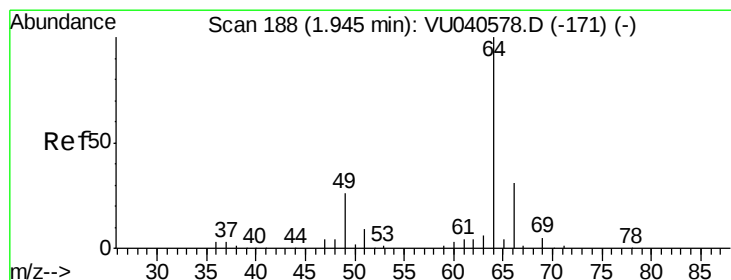
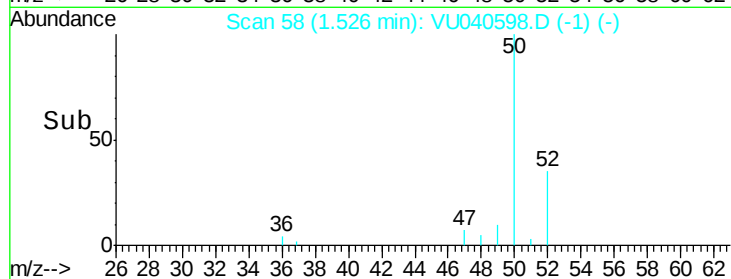
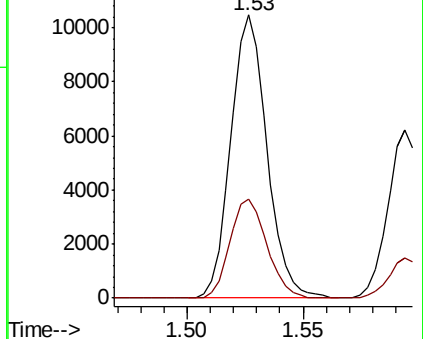
50 100

52 35.2 21.9 40.7



Abundance Ion 50.05 (49.75 to 50.75): VU040578.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040578.D (-49) (-)



#8

Chloroethane

Concen: 0.054 ug/L

RT: 1.95 min Scan# 189

Delta R.T. 0.00 min

Lab File: VU040598.D

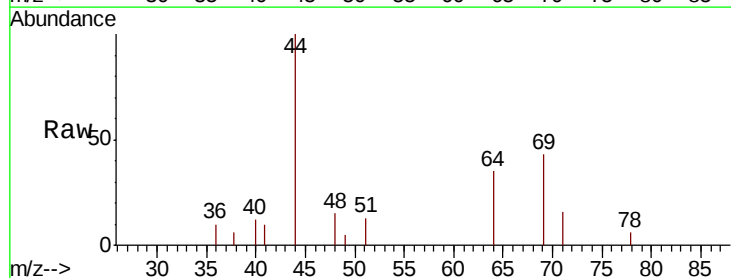
Acq: 09 Oct 2020 20:44

Tgt Ion: 64 Resp: 400

Ion Ratio Lower Upper

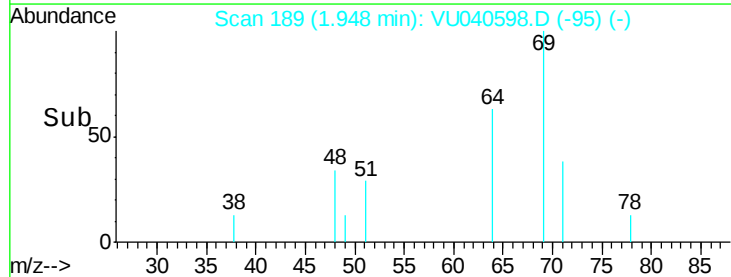
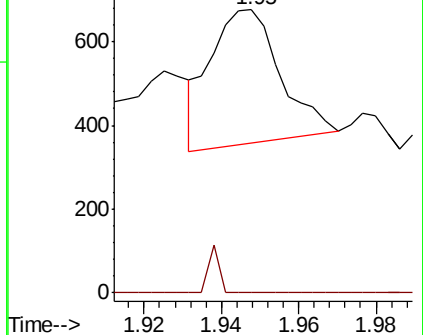
64 100

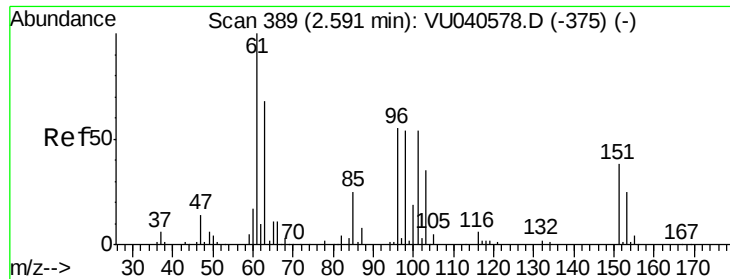
66 0.0 23.3 43.3#



Abundance Ion 64.10 (63.80 to 64.80): VU040578.D (-171) (-)

Ion 66.05 (65.75 to 66.75): VU040578.D (-171) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.058 ug/L

RT: 2.58 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

BFSE3

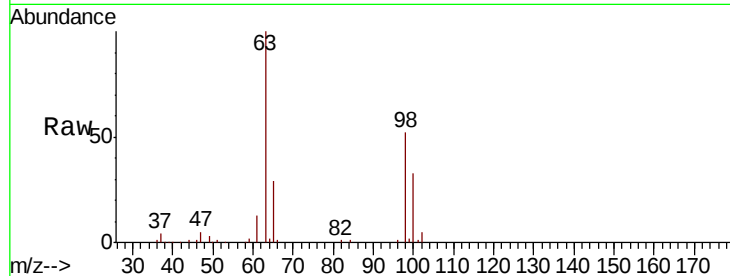
Tot Ion:101 Resp: 632

Ion Ratio Lower Upper

101 100

85 0.0 36.7 55.1#

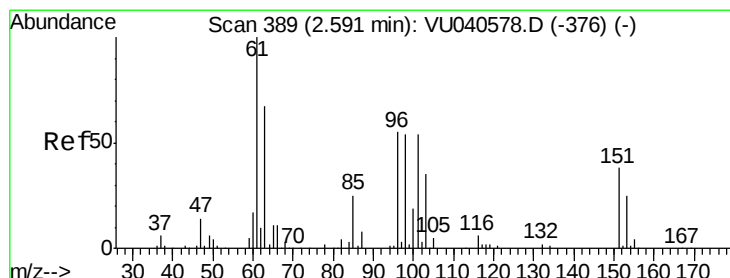
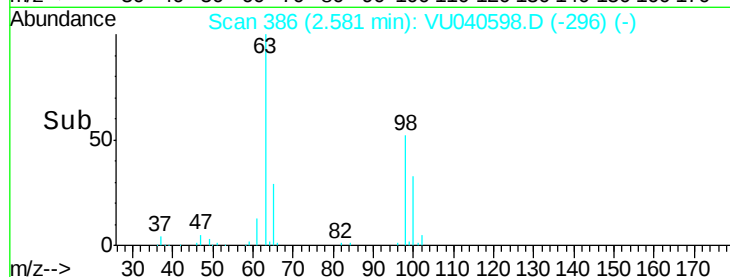
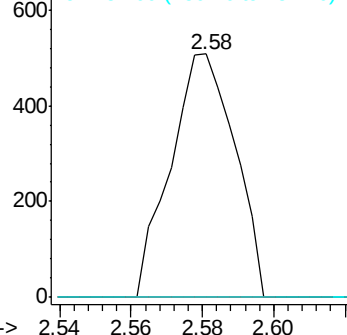
151 0.0 58.0 87.0#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.077 ug/L

RT: 2.58 min Scan# 385

Delta R.T. -0.01 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

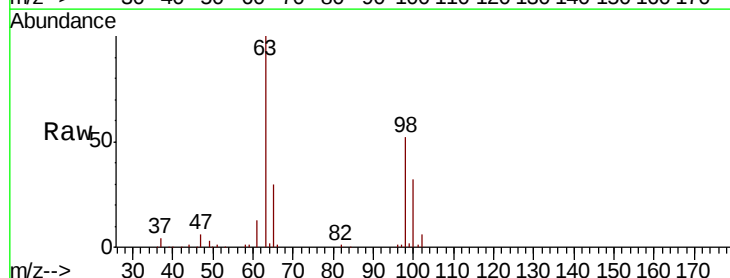
Tgt Ion: 96 Resp: 718

Ion Ratio Lower Upper

96 100

61 1148.7 128.8 239.2#

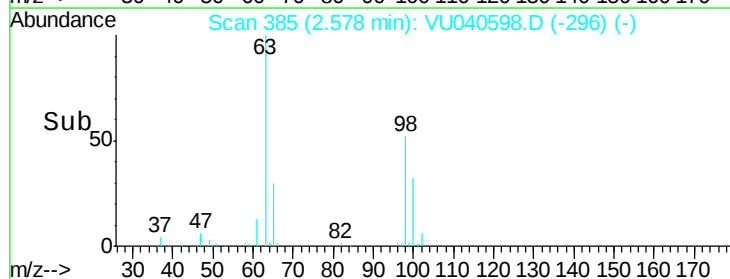
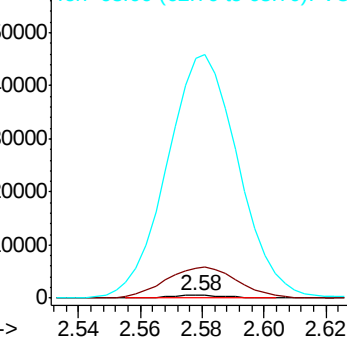
63 9048.5 84.6 157.2#

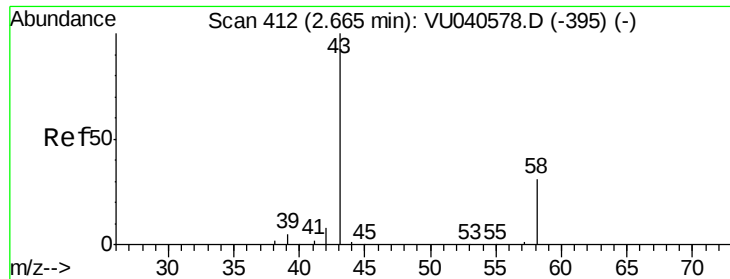


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 5.042 ug/L

RT: 2.66 min Scan# 410

Delta R.T. -0.01 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

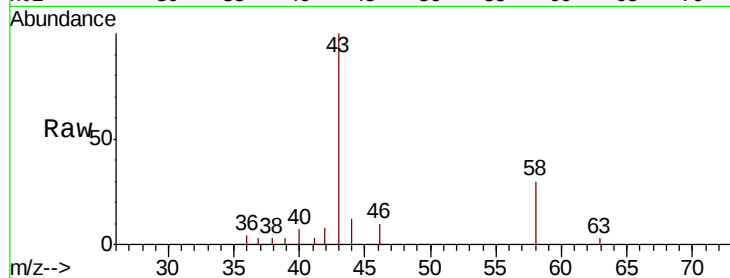
BFSE3

Tot Ion: 43 Resp: 13469

Ion Ratio Lower Upper

43 100

58 23.0 0.0 60.6



Abundance Ion 43.05 (42.75 to 43.75): VU040598.D (-319) (-)

Ion 58.05 (57.75 to 58.75): VU040598.D (-319) (-)

Time-->

2.60 2.70 2.80

4000

3000

2000

1000

0

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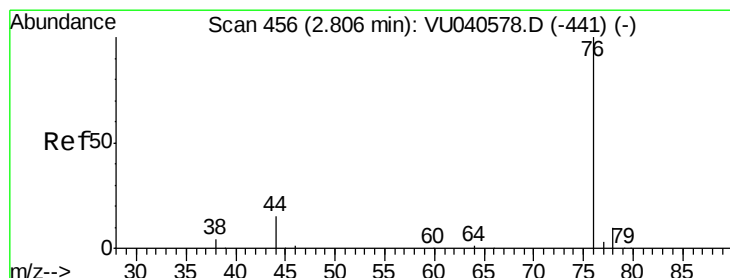
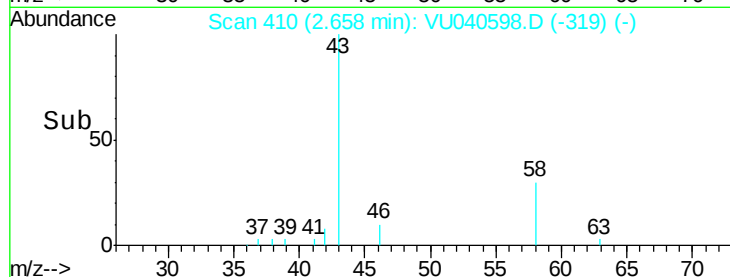
2.66

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#14

Carbon disulfide

Concen: 0.049 ug/L

RT: 2.80 min Scan# 455

Delta R.T. -0.00 min

Lab File: VU040598.D

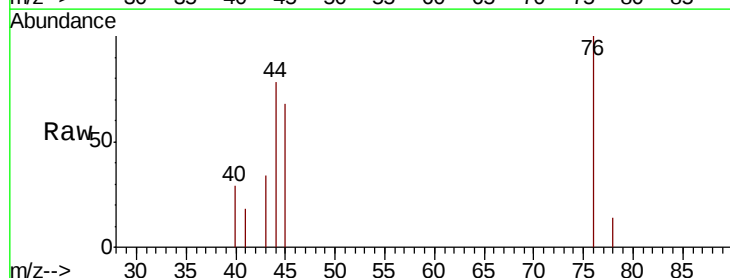
Acq: 09 Oct 2020 20:44

Tgt Ion: 76 Resp: 1264

Ion Ratio Lower Upper

76 100

78 13.7 6.8 10.2#



Abundance Ion 76.05 (75.75 to 76.75): VU040598.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040598.D (-363) (-)

Time-->

2.80 2.85

800

600

400

200

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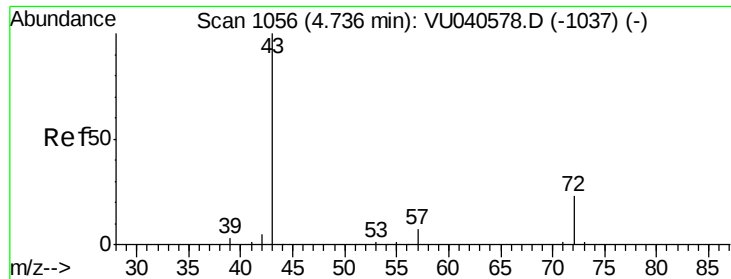
2.80

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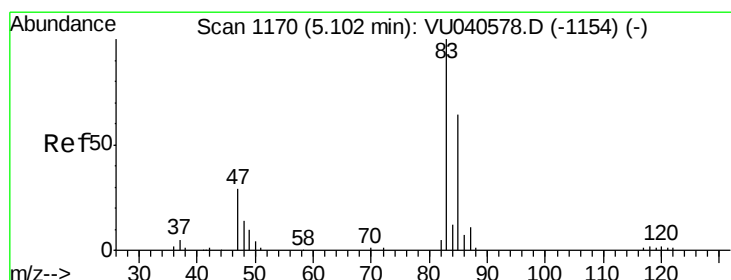
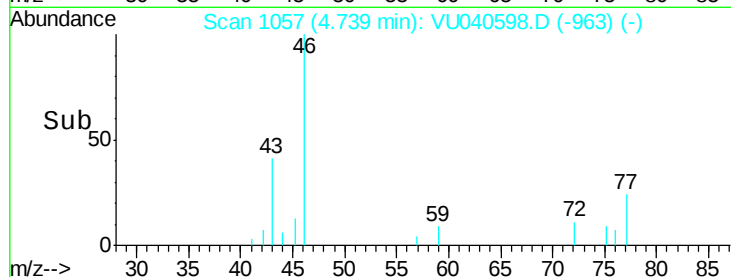
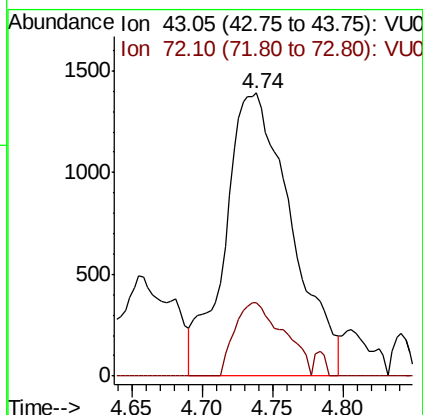
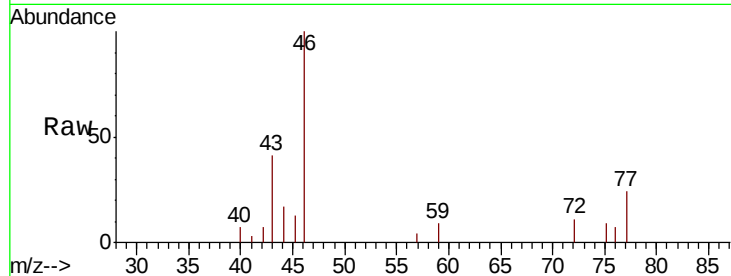
2.80



#21
 2-Butanone
 Concen: 1.100 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.00 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

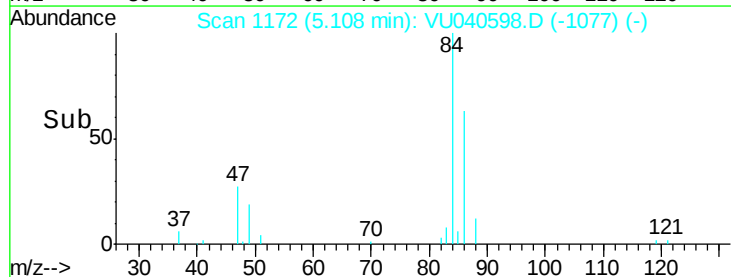
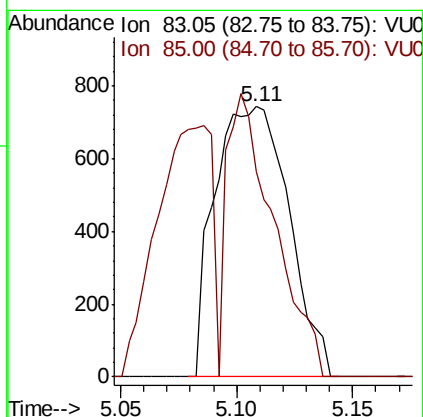
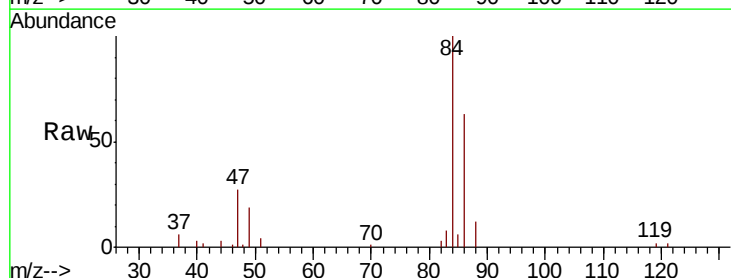
Instrument :
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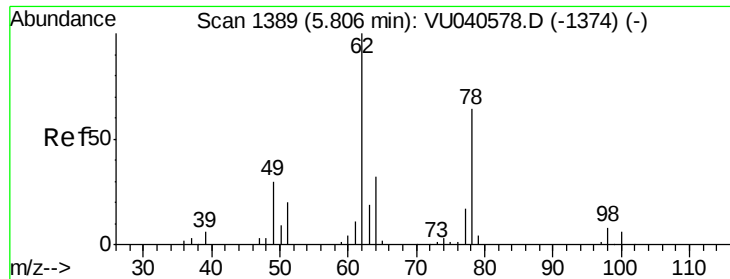
Tot Ion: 43 Resp: 4580
 Ion Ratio Lower Upper
 43 100
 72 19.1 11.4 34.2



#25
 Chloroform
 Concen: 0.081 ug/L
 RT: 5.11 min Scan# 1172
 Delta R.T. 0.01 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

Tgt Ion: 83 Resp: 1650
 Ion Ratio Lower Upper
 83 100
 85 75.8 46.5 86.5

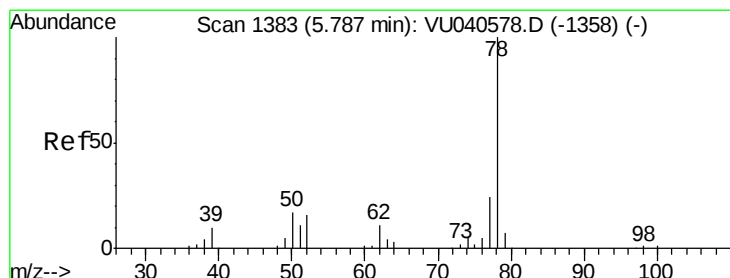
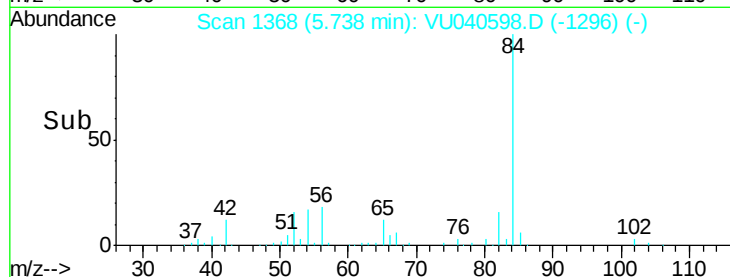
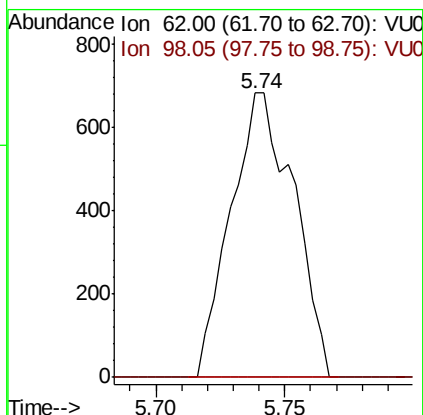
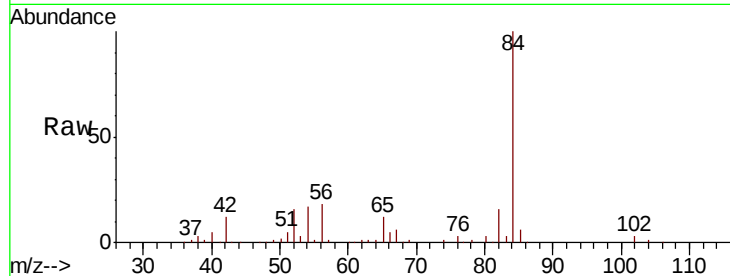




#27
 1,2-Dichloroethane
 Concen: 0.080 ug/L
 RT: 5.74 min Scan# 1368
 Delta R.T. -0.07 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

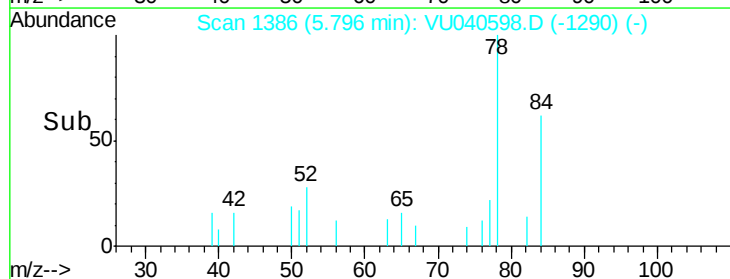
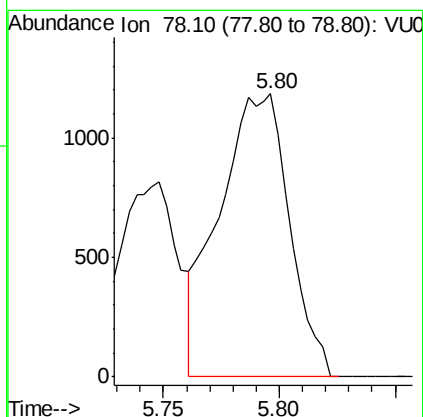
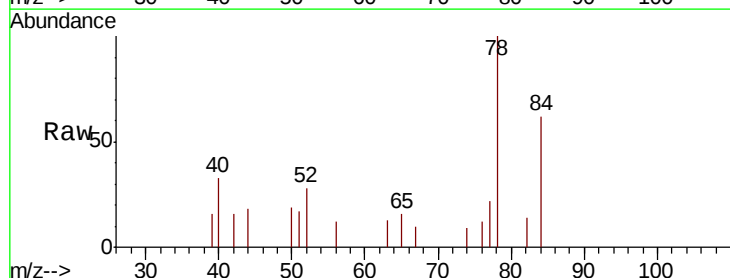
Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE3

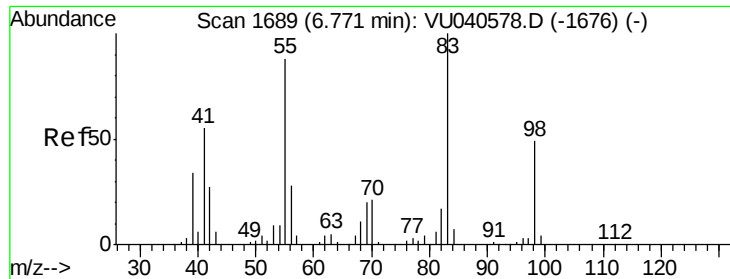
Tot Ion: 62 Resp: 1159
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#33
 Benzene
 Concen: 0.059 ug/L
 RT: 5.80 min Scan# 1386
 Delta R.T. 0.01 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

Tgt Ion: 78 Resp: 2482

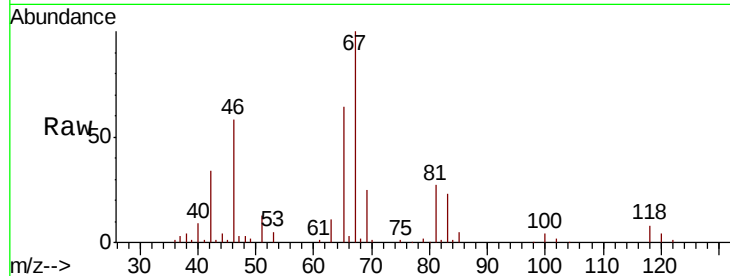




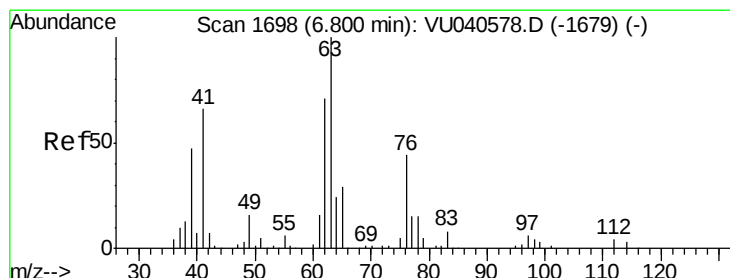
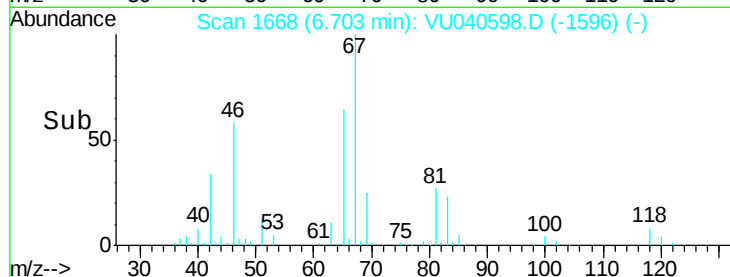
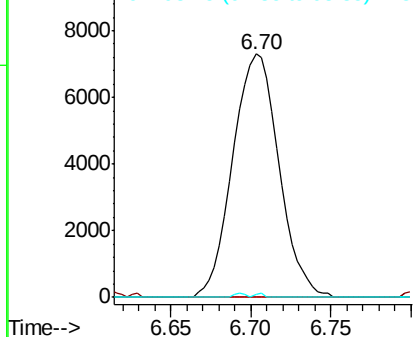
#35
Methvlcvclohexane
Concen: 0.927 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.07 min
Lab File: VU040598.D
Acq: 09 Oct 2020 20:44

Instrument :
MSVOA_U
ClientSampleId :
BFSE3

Tot Ion: 83 Resp: 14403
Ion Ratio Lower Upper
83 100
55 0.8 70.7 106.1#
98 0.3 38.4 57.6#

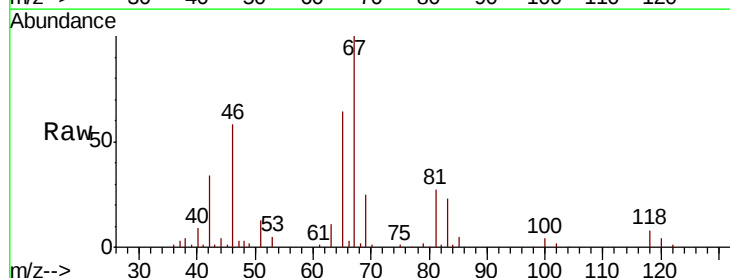


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

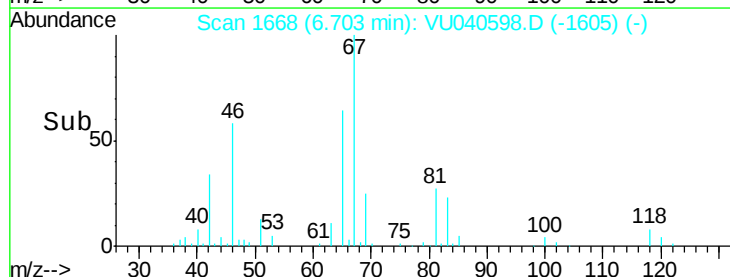
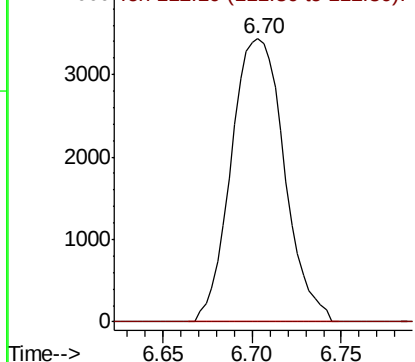


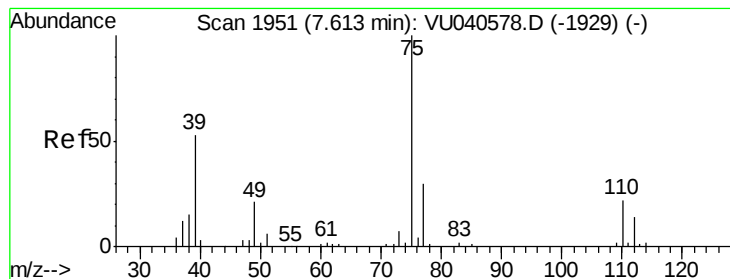
#37
1,2-Dichloropropane
Concen: 0.605 ug/L
RT: 6.70 min Scan# 1668
Delta R.T. -0.10 min
Lab File: VU040598.D
Acq: 09 Oct 2020 20:44

Tgt Ion: 63 Resp: 7123
Ion Ratio Lower Upper
63 100
112 0.0 3.5 5.3#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



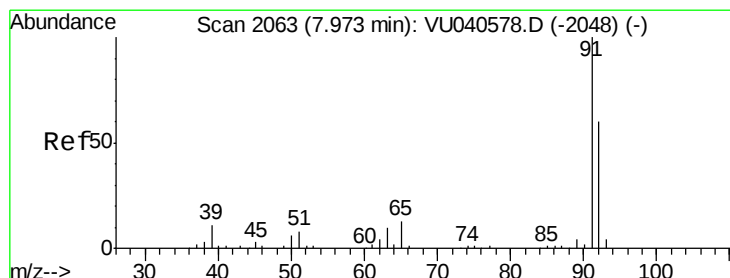
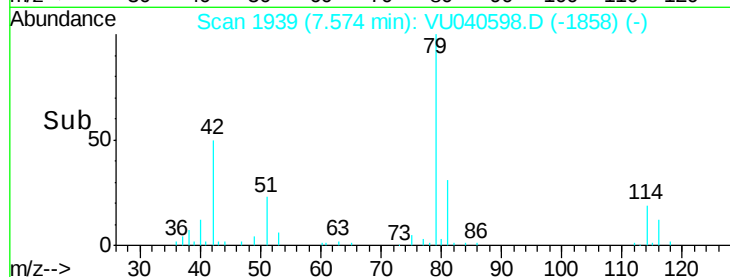
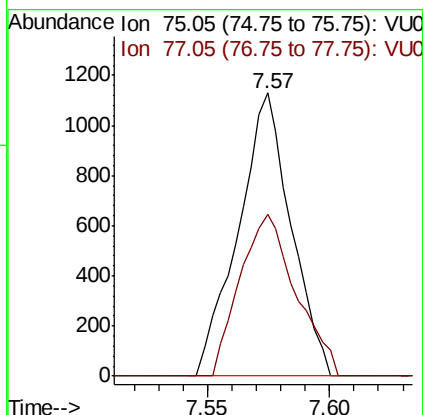
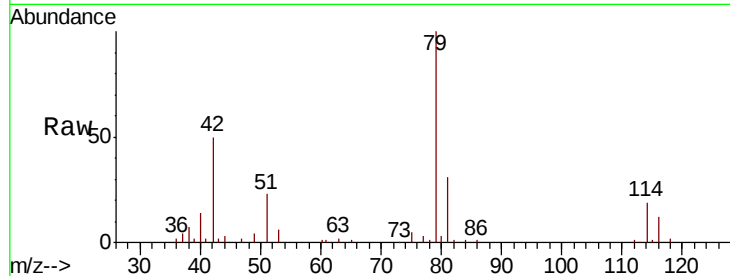


#39

cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.57 min Scan# 1939
 Delta R.T. -0.04 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

Instrument :
 MSVOA_U
 ClientSampleId :
 BFSE3

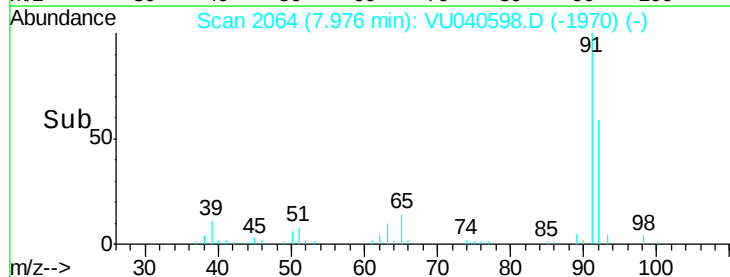
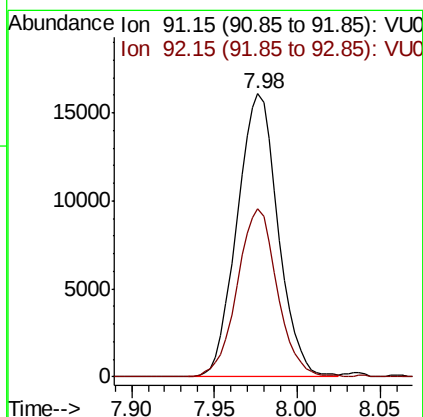
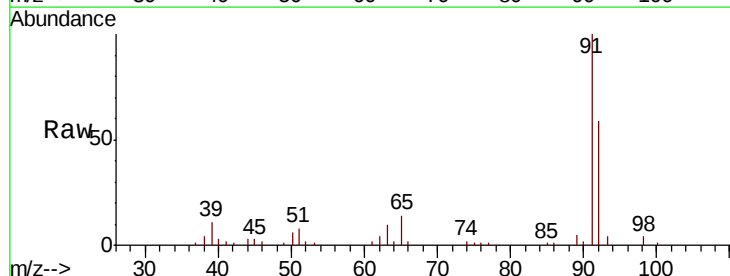
Tot Ion: 75 Resp: 1686
 Ion Ratio Lower Upper
 75 100
 77 57.2 20.5 38.1#

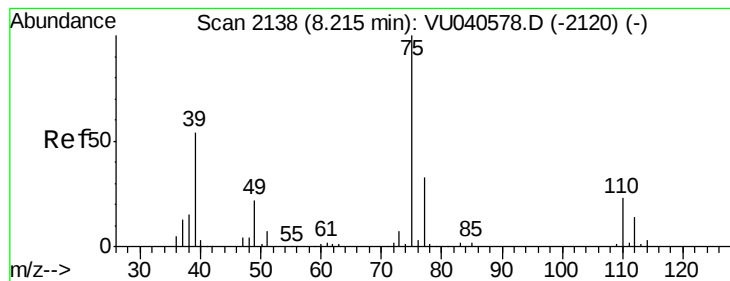


#42

Toluene
 Concen: 0.641 ug/L
 RT: 7.98 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VU040598.D
 Acq: 09 Oct 2020 20:44

Tgt Ion: 91 Resp: 27604
 Ion Ratio Lower Upper
 91 100
 92 59.3 40.2 74.6





#44

trans-1,3-Dichloropropene

Concen: 0.080 ug/L

RT: 8.18 min Scan# 2128

Delta R.T. -0.03 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

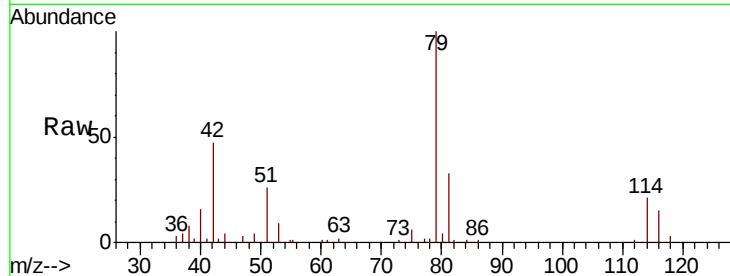
BFSE3

Tot Ion: 75 Resp: 1192

Ion Ratio Lower Upper

75 100

77 37.1 20.4 38.0



Abundance Ion 75.05 (74.75 to 75.75): VU040598.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040598.D (-2120) (-)

8.18

8.20

8.22

8.24

8.26

8.28

8.30

8.32

8.34

8.36

8.38

8.40

8.42

8.44

8.46

8.48

8.50

8.52

8.54

8.56

8.58

8.60

8.62

8.64

8.66

8.68

8.70

8.72

8.74

8.76

8.78

8.80

8.82

8.84

8.86

8.88

8.90

8.92

8.94

8.96

8.98

9.00

9.02

9.04

9.06

9.08

9.10

9.12

9.14

9.16

9.18

9.20

9.22

9.24

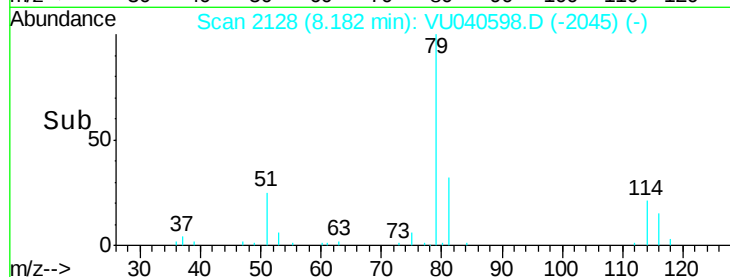
9.26

9.28

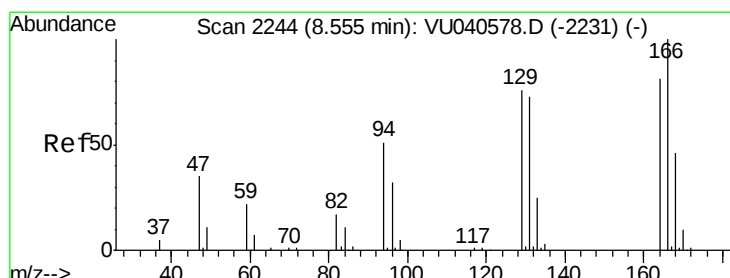
9.30

9.32

9.34



Time-->



#47

Tetrachloroethene

Concen: 1.607 ug/L

RT: 8.56 min Scan# 2245

Delta R.T. 0.00 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Tgt Ion:164 Resp: 12557

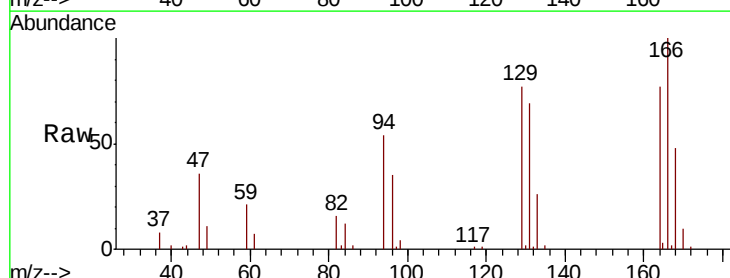
Ion Ratio Lower Upper

164 100

129 100.0 68.8 127.8

131 89.5 66.7 123.9

166 130.1 83.9 155.7



Abundance Ion 163.90 (163.60 to 164.60): VU040598.D (-2231) (-)

Ion 128.95 (128.65 to 129.65): VU040598.D (-2231) (-)

Ion 130.95 (130.65 to 131.65): VU040598.D (-2231) (-)

Ion 165.90 (165.60 to 166.60): VU040598.D (-2231) (-)

8.56

8.58

8.60

8.62

8.64

8.66

8.68

8.70

8.72

8.74

8.76

8.78

8.80

8.82

8.84

8.86

8.88

8.90

8.92

8.94

8.96

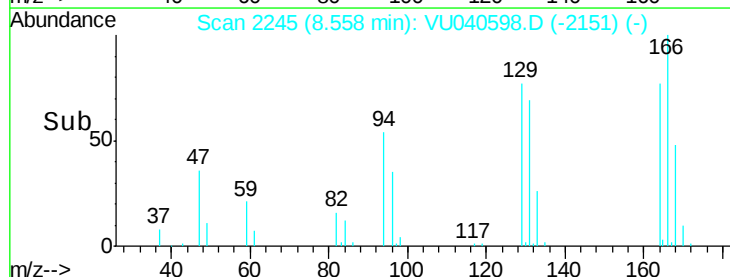
8.98

9.00

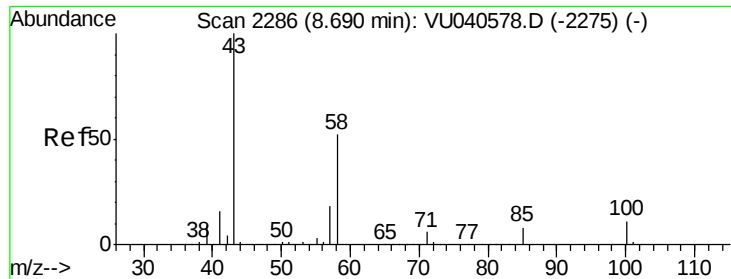
9.02

9.04

9.06



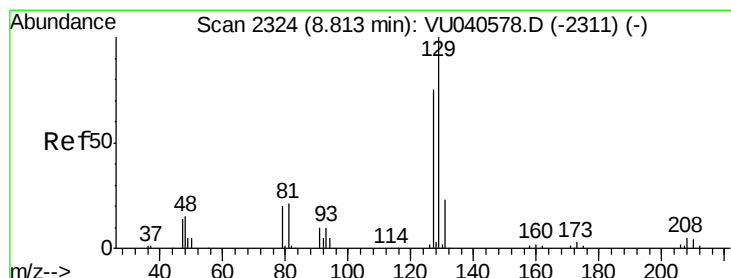
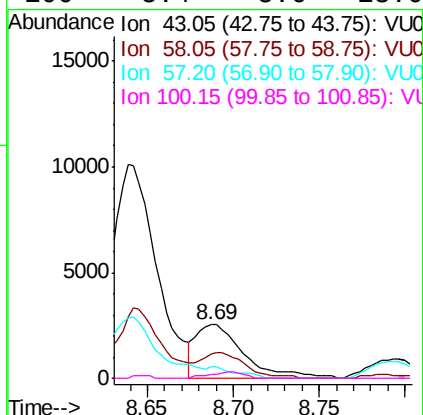
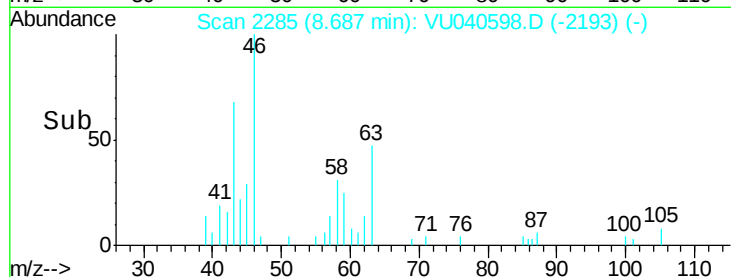
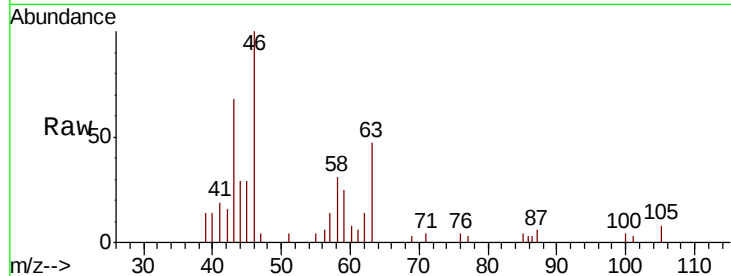
Time-->



#48
2-Hexanone
Concen: 0.706 ug/L
RT: 8.69 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VU040598.D
Acq: 09 Oct 2020 20:44

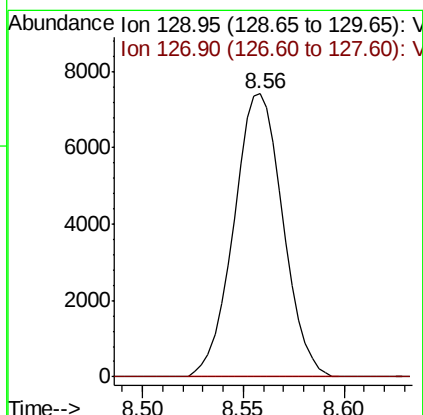
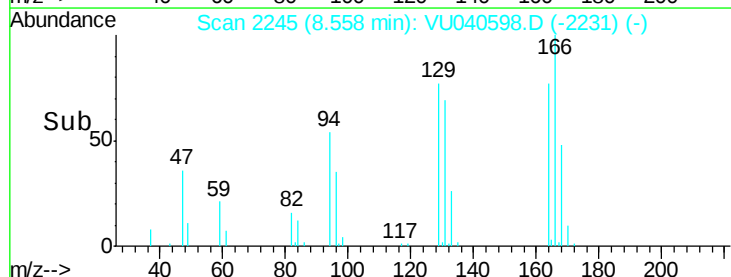
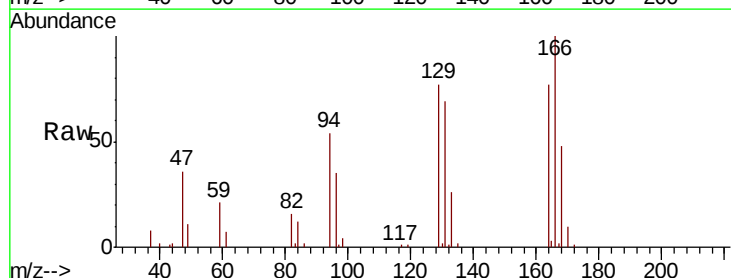
Instrument :
MSVOA_U
ClientSampleId :
BFSE3

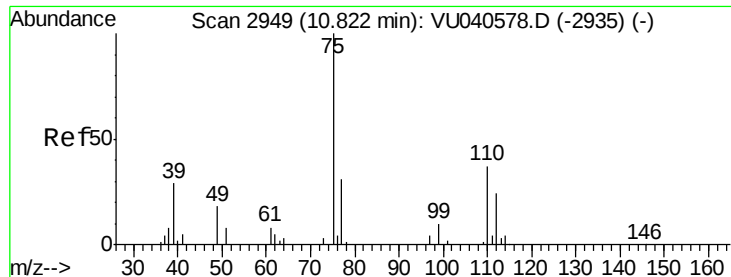
Tot Ion: 43 Resp: 4937
Ion Ratio Lower Upper
43 100
58 42.7 41.0 61.6
57 0.0 14.4 21.6#
100 8.4 8.6 13.0#



#49
Dibromochloromethane
Concen: 1.245 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.25 min
Lab File: VU040598.D
Acq: 09 Oct 2020 20:44

Tgt Ion: 129 Resp: 12634
Ion Ratio Lower Upper
129 100
127 0.0 55.8 103.6#





#59

1,2,3-Trichloropropane

Concen: 0.897 ug/L

RT: 11.81 min Scan# 3255

Delta R.T. 0.98 min

Lab File: VU040598.D

Acq: 09 Oct 2020 20:44

Instrument :

MSVOA_U

ClientSampleId :

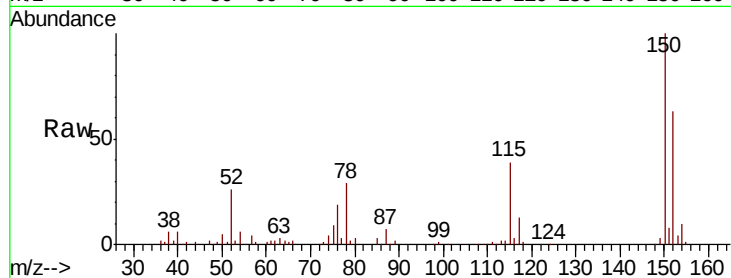
BFSE3

Tot Ion: 75 Resp: 7760

Ion Ratio Lower Upper

75 100

77 41.6 26.4 39.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

